

20031116.qrp v03\_n106.qrl.20031116

Date: Sun, 16 Nov 2003 19:03:06 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 3106

QRP-L Digest 3106

Topics covered in this issue include:

- 1) [161305] AT-Sprint... Recommended Mods?  
by Steve.Lawrence@ITWFEG.COM
- 2) [161306] For Sale: DSW-II 20m and ZM-2 tuner  
by "Paul Womble" <pwomble@earthlink.net>
- 3) [161307] RE: Headlamp  
by "Paul Ermisch" <paul@ermisch.com>
- 4) [161308] Re: swr,watt meter for qrp  
by "John" <digi2@earthlink.net>
- 5) [161309] The piggie hunt us on agian  
by "Jerry Ford" <benlightnd13@mchsi.com>
- 6) [161310] FW: Fox - Fox Hunt Team Results.  
by "rattray" <rattray@accesscomm.ca>
- 7) [161311] Re: The piggie hunt us on agian  
by "Joe Martin" <km5cw@wt.net>
- 8) [161312] RE: Philips LPC2104 ARM MCU  
by Richard Lourette <lourette@frontiernet.net>
- 9) [161313] RE: AT-Sprint... Recommended Mods?  
by "Sverre Holm" <svholm2@broadpark.no>
- 10) [161314] FW: Fox - Fox Hunt Team Results.  
by "rattray" <rattray@accesscomm.ca>
- 11) [161315] BK 1570a scope  
by "steve" <swells244@bellsouth.net>
- 12) [161316] FW: Fox - Fox Hunt Team Results.  
by "rattray" <rattray@accesscomm.ca>
- 13) [161317] Mounting a roof tower  
by Lee Mairs <lmairs@direcway.com>
- 14) [161318] Flying Pig Sunday Night Net  
by "Jerry Ford" <benlightnd13@mchsi.com>
- 15) [161319] Re: Mounting a roof tower  
by "Sam Binkley" <sbinkley1@cox.net>
- 16) [161320] Re: BK 1570a scope  
by "Sam Binkley" <sbinkley1@cox.net>

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Date: Sat, 15 Nov 2003 18:57:21 -0500  
From: Steve.Lawrence@ITWFEG.COM

To: kd1jv@moose.ncia.net, n5ese@io.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161305] AT-Sprint... Recommended Mods?  
Message-ID: <0F96F2DCAF.F65A97BD-0N85256DDF.0081794E-85256DDF.0083959A@itwfeg.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

Gentlemen,

After a summer hiatus away from electronic projects -- which spilled well into fall (never ending house remodeling projects...) -- I'm back working on my AT Sprint. I'm interested in "checking in" on all of the recommended AT-Sprint modifications needed to preserve the various sub-systems in normal operation, and to thwart any 'field failures'. Here's where I stand...

- 1.) U6-2 10k pull-up resistor. Done.
- 2.) 10 ohm Q7 base current limiting resistor. Done.

I've looked over the KD1JV/N5ESE's discussions about adding a 820uH choke and de-coupling caps in performing the DDS power supply mod as recorded on N5ESE's web page, but to do this mod, I have to order all the parts (my surface mount/miniature junk box has just only started to accumulate a few parts).

What is the impact if this modification isn't done? Can you recommend a source for the parts?

Finally, has there been any other recommended AT-Sprint changes that have surfaced since June?

Much thanks,  
Steve  
aa8af

-----  
Date: Sat, 15 Nov 2003 20:34:32 -0500  
From: "Paul Womble" <pwomble@earthlink.net>  
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>  
Subject: [161306] For Sale: DSW-II 20m and ZM-2 tuner  
Message-ID: <002f01c3abe1\$c93d87b0\$6401a8c0@house>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

DSW-II 20m

Assembled. Includes all of the original documentation.

\$145 shipped.

ZM-2 tuner

Assembled. Includes all of the original documentation.

\$50 shipped.

Both for \$185 shipped.

73,  
Paul K4FB

-----  
Date: Sat, 15 Nov 2003 18:42:10 -0700  
From: "Paul Ermisch" <paul@ermisch.com>  
To: <carlseye@tampabay.rr.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161307] RE: Headlamp  
Message-ID: <NHBBIMAFPBCKANGJGAPDKENCKAA.paul@ermisch.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Recreational Equipment Inc. - [www.rei.com](http://www.rei.com)

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
carl seyersdahl  
Sent: Saturday, November 15, 2003 5:27 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: Headlamp

Who, where, and what is REI???  
carl / kz5ca

----- Original Message -----

From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, November 14, 2003 9:15 PM

Subject: Headlamp

> If anyone is interested in a headlamp for spot lighting, REI is closing out Black  
> Diamond 2002 Moonlight headlamps for \$17.95, This headlamp has four high  
> intensity LED's and is powered by 3 AAA cells. Mike Boatright introduced me to this  
> at the NOGA meeting last May. I bought one for myself at the list price of \$29.95. It  
> is worth every penny. I use it for working on projects (I can now put light exactly  
> where I am soldering), cleaning out the pool filters after dark, working on the car etc.  
> It is wonderful. It looks weird but it does an outstanding job. I'm trying to find an  
> excuse to buy a second unit. The REI stock number is 707-051.  
>  
> Henry

-----  
Date: Sat, 15 Nov 2003 19:13:08 -0700  
From: "John" <digi2@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, "Steven Weber" <kd1jv@moose.ncia.net>  
Subject: [161308] Re: swr,watt meter for qrp  
Message-ID: <004201c3abe7\$2e299ce0\$6401a8c0@HP5400>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Steve,

Well, since I am the one that brought it up, I guess I should be the one to loan you the WM-2. Send me the address and it will be in the mail.

John K7SVV

----- Original Message -----

From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: <digi2@earthlink.net>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Saturday, November 15, 2003 4:18 PM  
Subject: Re: swr,watt meter for qrp

> >Steve commented a while back about the possibility of coming up with digital  
> >display for the WM-2. This would be great because now we would have a very  
> >accurate QRP digital wattmeter/SWR meter. Maybe if we all gang up on him  
> >and twist his arm a bit, he might pursue it further.  
> >  
> You don't have to gang up on me or twist my arm :-)  
>  
> I've already tried out some software to make the Atmel "Butterfly" demo  
> board do this job. The Butterfly costs \$20.00 from Digi-Key, is fully  
> assembled, comes with a 6 character LCD display and runs on a 3V button  
> cell. (biggest one I've ever seen, hi) Plus it's slightly smaller than a  
> credit card. You can even down load the software into the demo board  
> yourself. (with the help of a 20 meg program you need to down load from  
> Atmel)  
>  
> Anyway, all I need is for someone to loan me thier WM-2 for a couple of  
> weeks to verify the accuracy and figure out the proper scalling. And  
you'll  
> have to build a second diode compenstion amp if you want it to calculate  
> SWR on the fly.  
>  
> 72,  
> Steve, KD1JV  
> "Melt Solder"  
> White Mountains of New Hampshire  
> <http://www.qsl.net/kd1jv/>  
>

-----  
Date: Sat, 15 Nov 2003 20:19:11 -0600  
From: "Jerry Ford" <benlightnd13@mchsi.com>  
To: "qrp-l" <qrp-l@lehigh.edu>, "FPigs" <fpqrp-l@mpna.com>  
Subject: [161309] The piggie hunt us on agian  
Message-ID: <01fe01c3abe8\$06197580\$4a78da0c@mchsi.com>

Anyone want to come out and play??

Seems most folks are playing the SS.            Looken for a little action  
in the watering hole.  
Stop by 7.044 and say howdy.

72 es oo Jerry N0JRN  
FP # 546, 4SQR, ARS # 923, ARCI # 11049, ARRL,  
Springfield, Mo. MP + #8  
<http://home.mchsi.com/~n0jrn>

-----  
Date: Sat, 15 Nov 2003 22:01:57 -0600  
From: "ratray" <ratray@accesscomm.ca>  
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-l@Lehigh.EDU>  
Cc: "Roger Wendell" <rogerwendell@rogerwendell.com>  
Subject: [161310] FW: Fox - Fox Hunt Team Results.  
Message-ID: <000001c3abf6\$64e26910\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hunt #4 - VE4WI -

QRP Cheeseheads - 19

Jerry - N9AW \*  
Rick - NK9G \* Clean  
Gary - W9XT \* Sweep  
Lon - W9XU \*  
Jim - WA9TZE \*

Cajun Thunder - 13

Wayne - K5E0A \*  
Wayne - N5YFC  
Vern - AA50 \*  
Jim - N5IB  
Chris - KD5UDB

The Underdogs - 18

Dan - N4ROA \*  
Dennis - N4DD \*  
Bob - KB2FEL  
Dave - W0CH \*  
Ron - KI0II \*

Team Air Pork - 14

Wayne - K9DI  
Mike - KD5KXF \*  
Dave - AG4PJ  
Randy - W9HL  
Jerry - N0JRN \*

Raiders of the Lost RF - 9

Rob - VE6JAZ \*  
Craig - VE4WI \*  
Fred - VE3FAL  
Earl - VA6RF \*  
Bruce - VE5RC

The NE-TX Tornados - 17

Bill - K5JHP \*  
Don - K5DW \*  
Doc - W5TB  
Lew - N5ZE \*  
George - W5YR \*

..please e-mail me direct with corrections, changes...tnx....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Sat, 15 Nov 2003 22:05:10 -0600  
From: "Joe Martin" <km5cw@wt.net>  
To: "QRP" <qrp-l@Lehigh.EDU>  
Subject: [161311] Re: The piggie hunt us on agian  
Message-ID: <00a101c3abf6\$d508bcd0\$794cd6d0@JoesHome1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Jerry.  
Well I couldn't hear any piggies, just one guy talking about working on his  
greenhouse.  
Maybe later  
73 de KM5CW, Joe  
ARCI #11368 FP#-697 FISTS#4217  
GRID EM13kf FtWorth,Tx  
32:49:31N 97:06:13W

(http://web.wt.net/~km5cw)

-----| Virus Scanned by Symantec |-----

> ----- Original Message -----

> From: "Jerry Ford" <benlightnd13@mchsi.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Saturday, November 15, 2003 8:19 PM

> Subject: The piggie hunt us on again

>

>

> > Anyone want to come out and play??

> >

> > Seems most folks are playing the SS.        Looken for a little action

> > in the watering hole.

> > Stop by 7.044 and say howdy.

> >

> > 72 es oo        Jerry        N0JRN

> > FP # 546, 4SQRP,    ARS # 923,    ARCI # 11049,    ARRL,

> > Springfield, Mo.    MP +    #8

> > http://home.mchsi.com/~n0jrn

> >

> >

> >

>

-----

Date: Sun, 16 Nov 2003 00:10:00 -0500

From: Richard Lourette <lourette@frontiernet.net>

To: qrp-1@Lehigh.EDU

Subject: [161312] RE: Philips LPC2104 ARM MCU

Message-ID: <5.2.1.1.0.20031116000914.00abea00@pop3.frontiernet.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

AT 60 Mips, this chip could implement a full MP3 player!

Rich

AB2MD

-----

Date: Sun, 16 Nov 2003 15:07:50 +0100

From: "Sverre Holm" <svholm2@broadpark.no>

To: <Steve.Lawrence@ITWFEG.COM>,

    '"Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>



Subject: [161313] RE: AT-Sprint... Recommended Mods?

Message-ID: <000101c3ac4b\$05599ef0\$8e00a8c0@Master>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="us-ascii"

Content-Transfer-Encoding: 7bit

> I've looked over the KD1JV/N5ESE's discussions about adding a 820uH  
choke  
> and de-coupling caps in performing the DDS power supply mod as  
recorded on  
> N5ESE's web page, but to do this mod, I have to order all the parts  
(my  
> surface mount/miniature junk box has just only started to accumulate a  
few  
> parts). What is the impact if this modification isn't done?

Probably some more spurious responses.

>  
> Finally, has there been any other recommended AT-Sprint  
> changes that have surfaced since June?

I have some which you can find if you follow the Homebrew section of my  
homepage. Whether they are recommended or not, is a matter of taste. I  
prefer the audio gain reduction mod as it makes the AGC action more  
pleasing.

The RF gain control is something which is needed with big antennas and  
close by transmitters: like on a field day with other transmitters near  
by or in EU with loud BC stations in the 40 m band. Also the new AT  
Sprint Mk II now has an RF input attenuator.

--  
73,  
Sverre

-----  
Sverre Holm, LA3ZA  
[www.qsl.net/la3za](http://www.qsl.net/la3za)

-----  
Date: Sun, 16 Nov 2003 08:36:03 -0600  
From: "rattray" <[rattray@accesscomm.ca](mailto:rattray@accesscomm.ca)>  
To: "QRP-C" <[qrp-canada@neale.gpfn.sk.ca](mailto:qrp-canada@neale.gpfn.sk.ca)>, "QRP-L" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>

Cc: "Roger Wendell" <rogerwendell@rogerwendell.com>  
Subject: [161314] FW: Fox - Fox Hunt Team Results.  
Message-ID: <000001c3ac4e\$f98e3960\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hunt #5 - KR0U -

QRP Cheeseheads - 24

Jerry - N9AW \*  
Rick - NK9G \* Clean  
Gary - W9XT \* Sweep  
Lon - W9XU \*  
Jim - WA9TZE \*

Cajun Thunder - 18

Wayne - K5EOA \*  
Wayne - N5YFC \* Clean  
Vern - AA50 \* Sweep  
Jim - N5IB \*  
Chris - KD5UDB \*

The Underdogs - 20

Dan - N4ROA \*  
Dennis - N4DD \*  
Bob - KB2FEL  
Dave - W0CH  
Ron - KI0II

Team Air Pork - 16

Wayne - K9DI  
Mike - KD5KXF  
Dave - AG4PJ \*  
Randy - W9HL  
Jerry - N0JRN \*

Raiders of the Lost RF - 9

Rob - VE6JAZ  
Craig - VE4WI  
Fred - VE3FAL  
Earl - VA6RF  
Bruce - VE5RC

The NE-TX Tornados - 21

Bill - K5JHP  
Don - K5DW \*  
Doc - W5TB \*  
Lew - N5ZE \*  
George - W5YR \*

..please e-mail me direct with corrections, changes...tnx....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Sun, 16 Nov 2003 09:39:37 -0500  
From: "steve" <swells244@bellsouth.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161315] BK 1570a scope  
Message-ID: <000801c3ac4f\$75ac3600\$220110ac@STEVESL7X513D0>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Any one have a schematic or service manual for this. The only thing I've found  
is 65.00 for a copy.

Steve  
KG4JNL

-----  
Date: Sun, 16 Nov 2003 08:41:33 -0600  
From: "rattray" <rattray@accesscomm.ca>  
To: "QRP-C" <qrp-canada@neale.gpfn.sk.ca>, "QRP-L" <qrp-1@Lehigh.EDU>  
Cc: "Roger Wendell" <rogerwendell@rogerwendell.com>  
Subject: [161316] FW: Fox - Fox Hunt Team Results.  
Message-ID: <000101c3ac4f\$bdf3ef20\$7900a8c0@Bonnie>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Hunt #6 - K0UU -

QRP Cheeseheads - 24

Jerry - N9AW  
Rick - NK9G  
Gary - W9XT  
Lon - W9XU  
Jim - WA9TZE

The Underdogs - 22

Dan - N4ROA  
Dennis - N4DD \*  
Bob - KB2FEL  
Dave - W0CH \*  
Ron - KI0II

Raiders of the Lost RF - 9

Rob - VE6JAZ  
Craig - VE4WI  
Fred - VE3FAL  
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Bruce - VE5RC

Cajun Thunder - 21

Wayne - K5EOA \*  
Wayne - N5YFC  
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Team Air Pork - 17

Wayne - K9DI  
Mike - KD5KXF \*  
Dave - AG4PJ  
Randy - W9HL  
Jerry - N0JRN

The NE-TX Tornados - 25

Bill - K5JHP \*  
Don - K5DW \*  
Doc - W5TB  
Lew - N5ZE \*  
George - W5YR \*

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..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Sun, 16 Nov 2003 10:21:31 -0500  
From: Lee Mairs <lmairs@direcway.com>  
To: qrp1 <qrp-1@Lehigh.EDU>  
Subject: [161317] Mounting a roof tower  
Message-ID: <05ac01c3ac55\$5305ea00\$3b6d020a@boomer>  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

I recently moved to the mountains of WBGV, and I've got a ton of stuff to do here as far as setting up a reasonable station, but the lynch pin to the whole deal is getting my TH5DXII tri-bander up.

I have a 12' roof tower that I used to mount the beam on at my previous QTH in Northern Virginia; however, there I had an almost flat dormer room to set it on. I mounted the tower's feet with angle iron to two 2"x6" x6 foot skis. These just set on the dormer roof. Although I did guy the tower, the last two years, two of the four guys broke, and I didn't bother to replace them. This worked great for over twelve years. I even had a 440 Mhz yagi mounted on a tower leg and an endpoint of a 40 meter Delta Loop tied to another leg.

I now need to mount the roof tower and assorted antlers on the pitched roof on top of my garage/shop. Does anybody have any suggestions on how to secure the roof tower to the pitched garage roof? I'm sure open for suggestions.

To test a new dual band 144-220 MHz vertical I tried to set the roof tower up on my back deck. I had a hell of a time trying to stand it up with just the steel mast and no rotator on it. Can the difference between age 60 and 48 explain all that?? I'm going to have to find some local talent to help me get the thing up on the garage, I guess...  
73 de Lee  
KM4YY/8

-----  
Date: Sun, 16 Nov 2003 15:26:37 -0600  
From: "Jerry Ford" <benlightnd13@mchsi.com>

To: "qrp-1" <qrp-1@lehigh.edu>, "FPigs" <fpqrp-1@mpna.com>  
Subject: [161318] Flying Pig Sunday Night Net  
Message-ID: <008601c3ac88\$51d43fa0\$4a78da0c@mchsi.com>

Hi ladies and Gentlemen.

Just a note to remind everyone of the Sunday night net.

0100z is the time tonight on 7.044. We would love to have each  
and every one of you check in and say howdy to the group.

C U there:

72 es oo Jerry N0JRN  
FP # 546, 4SQRP, ARS # 923, ARCI # 11049, ARRL,  
Springfield, Mo. MP + #8  
<http://home.mchsi.com/~n0jrn>

-----  
Date: Sun, 16 Nov 2003 16:56:17 -0600  
From: "Sam Binkley" <sbinkley1@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161319] Re: Mounting a roof tower  
Message-ID: <011501c3ac94\$d85c22c0\$a67fe344@DHT81T11>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Lee Mairs wrote:

Subject: Mounting a roof tower

> I recently moved to the mountains of WBGV, and I've got a ton of stuff to  
> do  
> here as far as setting up a reasonable station, but the lynch pin to the  
> whole deal is getting my TH5DXII tri-bander up.  
>  
> I have a 12' roof tower that I used to mount the beam on at my previous  
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> set  
> it on. I mounted the tower's feet with angle iron to two 2"x6" x6 foot  
> skis. These just set on the dormer roof. Although I did guy the tower,

> the last two years, two of the four guys broke, and I didn't bother to  
> replace them. This worked great for over twelve years. I even had a 440  
> Mhz yagi mounted on a tower leg and an endpoint of a 40 meter Delta Loop  
> tied to another leg.  
>  
> I now need to mount the roof tower and assorted antlers on the pitched  
roof  
> on top of my garage/shop. Does anybody have any suggestions on how to  
> secure the roof tower to the pitched garage roof? I'm sure open for  
> suggestions.  
>  
> To test a new dual band 144-220 MHz vertical I tried to set the roof tower  
> up on my back deck. I had a hell of a time trying to stand it up with  
just  
> the steel mast and no rotator on it. Can  
> the difference between age 60 and 48 explain all that?? I'm going to have  
> to find some local talent to help me get the thing up on the garage, I  
> guess...  
> 73 de Lee  
> KM4YY/8

Lee,

If you could find a copy of an old (mid to late 60s) ARRL Handbook, there was some good information for solving your problem in there. Basically, it involves placing two planks, say 2x6s longer than one side of your tower base, in line with the peak of the roof, spaced so that the tower feet would sit on them. Then using threaded rods, tying these to two similar planks on the inside so that they are sort of clamped to the rafters. This would make a good solid platform for the tower which you would fasten to the top 2x6 with appropriate hardware. I used this method to mount a 20' homemade wooden tower and it worked fine. I hope this isn't too confusing!

73,  
Sam, KL7V/5

-----  
Date: Sun, 16 Nov 2003 17:01:11 -0600  
From: "Sam Binkley" <sbinkley1@cox.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [161320] Re: BK 1570a scope  
Message-ID: <011b01c3ac95\$892bcec0\$a67fe344@DHT81T11>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Steve wrote:

Sent: Sunday, November 16, 2003 8:39 AM  
Subject: BK 1570a scope

> Any one have a schematic or service manual for this. The only thing I've  
found  
> is 65.00 for a copy.  
> Steve  
> KG4JNL  
>

Steve,  
Have you tried W7FG VINTAGE MANUALS? He is showing several B K manuals on  
his web site but I didn't see the 1570a on there. If he doesn't have it he  
may be able to tell you where you could find one.

73,  
Sam, KL7V/5

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End of QRP-L Digest 3106

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